**BRUHAT BENGALURU MAHANAGARA PALIKE**

# MEASUREMENT SHEET

## FIRST AND FINAL BILL

| | |
|---|---|
| Name of work: | Improvements to Roads and Drains at Basavasamithi and Surrounding area in Ward No. 14 (Vidyaranyapura). |
| Estimated Cost : | Rs. 25.00 Lakhs |
| Job Code: | 014-23-000004 |
| Head of Account : | P3726 Zonal Public Works |
| Name of Agency: | M/s. S.S Enterprises, Prop: Sri. Nagaraj. M S/o Muniraju. H, No. 730, 1st Floor, 62nd Cross, 5th Block, Rajajinagara, Bangalore 560010. |
| Work Order: | BBMP/EE/BTP/WO/161/2022-23 Dated: 14-03-2023. |

| | Date of Recording: | 04-01-2024 | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Sl No** | **Description of work** | **Mesurement** | | | | **Qty.** | **Unit** | **Rate** | **Amount** |
| | | **No.** | **L** | **B** | **D** | | | | |
| 1 | Earth work Excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. | | | | | | Cum | | |
| | Qty as per Premeasurement Recorded vide E-Bill Page No. 01 to 02 is = | | | | | **359.69** | | 104.00 | **37408.00** |
| 2 | Providing and laying in position Plain Cement Concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. | | | | | | Cum | | |
| | Qty as per Premeasurement Recorded vide E-Bill Page No. 03 is = | | | | | **39.44** | | 5109.00 | **201499.00** |

Contractor

Assistant Engineer - 14

Assistant Executive Engineer
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| Sl No | Description of work | Mesurement No. | L | B | D | Qty. | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 3 | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) | | | | | | Cum | | |
| | Qty as per Premeasurement Recorded vide E-Bill Page No. 04 to 05 is = | | | | | **88.40** | | 5893.00 | **520941.00** |
| 4 | Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. | | | | | | Tonne | | |
| | Qty as per Premeasurement Recorded vide E-Bill Page No. 06 is = | | | | | **5.46** | | 95387.00 | **520813.00** |
| 5 | Providing and Fixing pre cast Covering Slab made out of CC 1:2:4 with **10cm** thick and Finishing cutting, including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, copmplete. | | | | | | Sqm | | |
| | **Covering Slab** | | | | | | | | |
| | Basavasamithi Main Road W/S from 2nd cross to 3rd Cross | 8 | 0.60 | 0.90 | | 4.32 | | | |
| | | 7 | 0.60 | 0.90 | | 3.78 | | | |
| | | 4 | 0.60 | 0.90 | | 2.16 | | | |
| | | 1 | 0.60 | 0.90 | | 0.54 | | | |
| | Basavasamithi 2nd cross E/S From Main Road to SWD | 9 | 0.60 | 0.90 | | 4.86 | | | |
| | Basavasamithi 2nd cross W/S From Main Road to SWD | 1 | 25.00 | 0.90 | | 22.50 | | | |
| | | 1 | 12.00 | 0.90 | | 10.80 | | | |
| | Basavasamithi Main Road W/S from 3rd Cross Vacent Site | 15 | 0.60 | 0.90 | | 8.10 | | | |
| | 3rd Cross Basavasamithi LO Missing Slabs | | | | | | | | |
| | | 10 | 0.60 | 0.90 | | 5.40 | | | |
| | | 12 | 0.60 | 0.90 | | 6.48 | | | |
| | | 15 | 0.60 | 0.90 | | 8.10 | | | |
| | | 14 | 0.60 | 0.90 | | 7.56 | | | |
| | | 15 | 0.60 | 0.90 | | 8.10 | | | |
| | | 12 | 0.60 | 0.90 | | 6.48 | | | |
| | Main Road | | | | | | | | |
| | | 12 | 0.60 | 0.90 | | 6.48 | | | |
| | | 11 | 0.60 | 0.90 | | 5.94 | | | |
| | | 15 | 0.60 | 0.90 | | 8.10 | | | |

Contractor

Assistant Engineer - 14

Executive Engineer
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| Sl No | Description of work | Mesurement No. | L | B | D | Qty. | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | 25 | 0.60 | 0.90 | | 13.50 | | | |
| | | 8 | 0.60 | 0.90 | | 4.32 | | | |
| | | 11 | 0.60 | 0.90 | | 5.94 | | | |
| | | 19 | 0.60 | 0.90 | | 10.26 | | | |
| | | 12 | 0.60 | 0.90 | | 6.48 | | | |
| | | 11 | 0.60 | 0.90 | | 5.94 | | | |
| | | 15 | 0.60 | 0.90 | | 8.10 | | | |
| | | 10 | 0.60 | 0.90 | | 5.40 | | | |
| | | | | | | **179.64** | | | |
| | | | | | | **179.46** | Sqm | 1072.00 | **192381.00** |
| 6 | Loading and Unloading of Stone Boulder / Stone aggregates / Sand / Kankar / Moorum. (Tipper 14 m3) | | | | | | | | |
| | Qty Vide Item No - (1) | | | | | 359.69 | | | |
| | Total | | | | | **359.69** | Cum | 65.00 | **23380.00** |
| 7 | Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km | | | | | | | | |
| | Qty from Item No - 06 | | 359.69 | 1.28 | | 460.40 | | | |
| | Total | | | | | **460.40** | T.Km | 99.00 | **45580.00** |
| | **EIRL** | | | | | | | | |
| E1 | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite / trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately **Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregate** | | | | | | Cum | | |
| | **Ramp** | | | | Av., | | | | |
| | Basavasamithi Main Road W/S from 2nd cross to 3rd Cross | 1 | 82.10 | 0.30 | 0.05 | 1.23 | | | |
| | Basavasamithi 2nd cross E/S From Main Road to SWD | 1 | 90.00 | 0.30 | 0.05 | 1.35 | | | |
| | Basavasamithi 2nd cross W/S From Main Road to SWD | 1 | 25.00 | 0.30 | 0.05 | 0.38 | | | |
| | | 1 | 12.00 | 0.30 | 0.05 | 0.18 | | | |
| | **Culvert Ramp** | | | | Av., | | | | |
| | Basavasamithi Main Road 2nd Cross Junction | 2 | 7.50 | 1.00 | 0.15 | 2.25 | | | |
| | | 2 | 5.55 | 1.20 | 0.15 | 2.00 | | | |
| | Total | | | | | **7.38** | Cum | 4906.43 | **36232.00** |

Contractor

Assistant Engineer

Assistant Executive Engineer

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| No. | Description of work | Mesurement No. | L | B | D | Qty. | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| E2 | Providing and Fixing pre cast Covering Slab 230 mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete. As per Engineer incharge | | | | | | Sqm | | |
| | For Culvert | | | | | | | | |
| | Basavasamithi Main Road 2nd Cross Junction | 1 | 7.50 | 1.50 | | 11.25 | | | |
| | | 1 | 5.55 | 1.20 | | 6.66 | | | |
| | Total | | | | | 17.91 | Sqm | 3922.31 | 70249.00 |
| | | | | | | | Sub Total = | | 1648483.00 |
| | | | | | | | add GST @ 18% | | 296727.00 |
| | | | | | | | Grand Total = | | 1945210.00 |

Contractor

Assistant Engineer
Ward No. 14, Vidyaranyapura

Assistant Executive Engineer
Vidyaranyapura Sub Division

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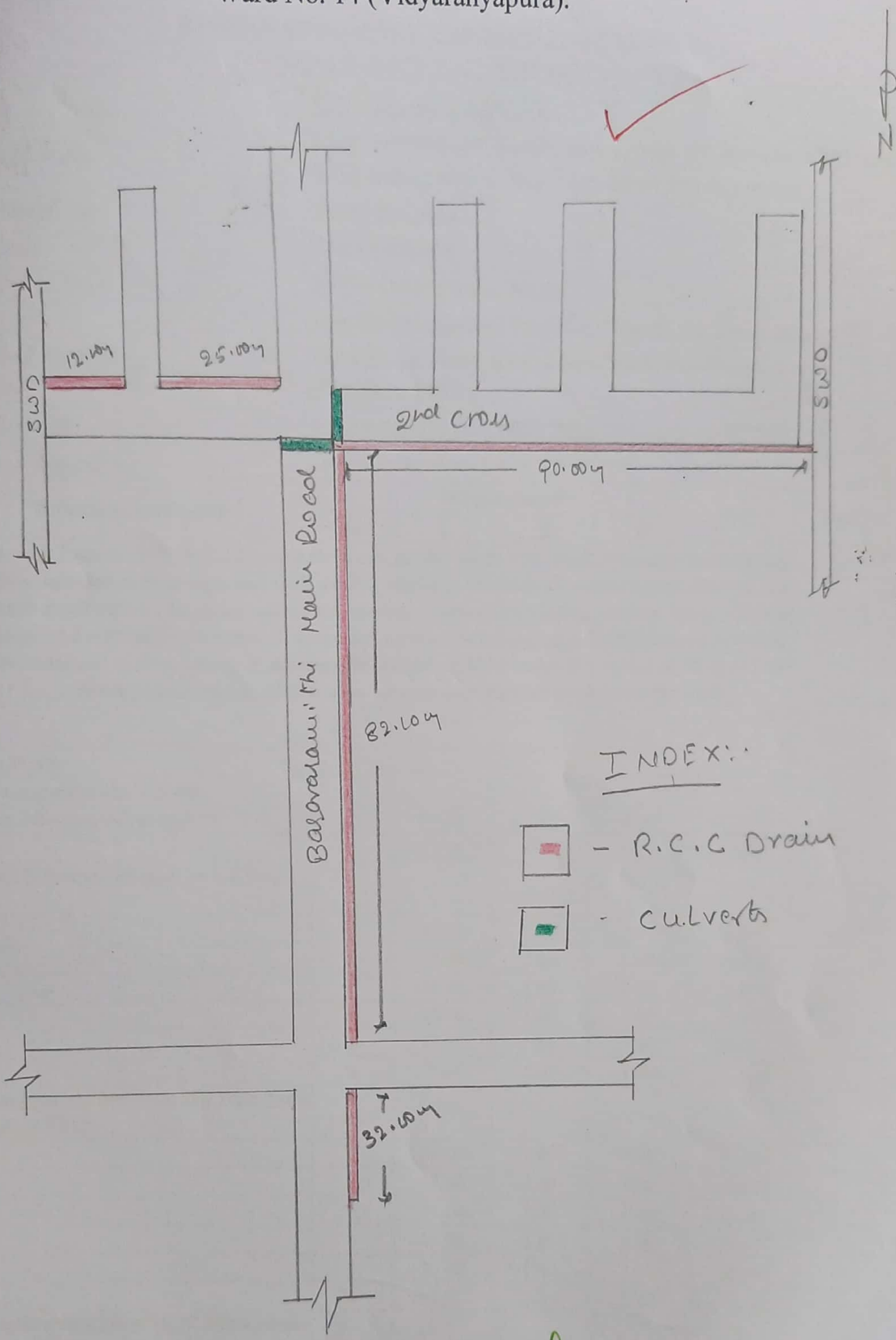
Name of Work: Improvements to Roads and Drains at Basavasamithi and Surrounding area in Ward No. 14 (Vidyaranyapura).

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